MC600

ULTRA-MINIATURE INDOOR DAY/NIGHTCAMERA WITH 3.6mm LENS

PRODUCT FEATURES

- 600 Lines of Resolution
- Digital Wide Dynamic Range
- OSD Control of All Major Functions
- Auto Electronic Shutter
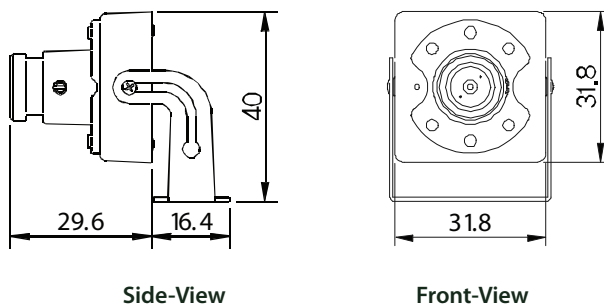- Ultra-Miniature Housing

SPECIFICATIONS

Model No.	MC600
Imaging Device	1/3" SONY Super HAD II CCD
Resolution	600 TV Lines
TV System	NTSC
Effective Pixels	768 (H) X 494 (V)
Lens	Fixed Focal 3.6mm
Sync System	Internal
Scanning System	2:1 Interlace
Video Output	1.0Vp-p 75 OHM Composite BNC
Minimum Illimination	0.1 Lux
S/N Ratio	48dB (AGC Off)
Gamma Characterisic	0.45
Electronic Shutter Speed	Auto - Manual (1/60 ~ 1/100,000 sec.)
OSD	Yes Built-in on Back of Camera
BLC (Backlight Compensation)	DWDR / BLC / HLC / OFF
AGC (Auto Gain Control)	Automatic / Adjustable
Day/Night	Electronic Type (Auto, Color, B/W)
D-WDR	Yes
Power Requirement	Regulated 12 volts DC +/- 10%
Power Consumption	100mA
Operating Temperature	14° ~ 122°F
Weight	1.8 oz
Housing	Metal Case (Black)
Dimensions (H x W x D)	1.25" x 1.25" x 1.19"

* All specifications subject to change without notice for quality improvement

PACKAGE CONTENTS

(1) Camera
(1) Mounting Screw
(1) Camera Mount
(1) User Manual

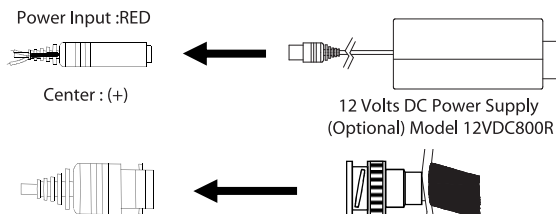## CAMERA DIMENSIONS

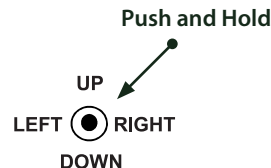**Side-View**   **Front-View**

CAMERA CABLE CONNECTION

Insert power lead into power connector (confirm proper voltage and observe polarity).

Insert video lead into BNC connector (push, then twist to lock connector in place).

Power Input :RED

Center : (+)

12 Volts DC Power Supply
(Optional) Model 12VDC800R

OSD CONTROL

Press the Joystick button on the back of the camera to access the OSD menu.

Push and Hold

UP

LEFT ◉ RIGHT

DOWN

Push and hold Joystick button to exit Motion Detection and Privacy Mask setting section.

OSD MENU SETUP

Function setting menu	Select menu	Sub menu	Contents
1. EXPOSURE	BRIGHT	0 ~ 100	Adjust the brightness
	E.SHUTTER	AUTO	Shutter speed auto adjustable
		1/60(1/50) ~ 1/100,000	Select shutter speed manually
	AGC	OFF, LOW, MIDDLE, HIGH	Determines that use the AGC function or not and AGC level selectable(You can not use the Auto D&N change mode when AGC is off)
	DWDR	OFF, LOW, MIDDLE, HIGH	Digital Wide Dynamic Range
	BLC	OFF, ON	BLC function
	HLC	OFF, ON, AUTO	High Light Mask function. In case of AUTO mode, the function will off in daytime and on at night
	HLC THR	0 ~ 100	According to the threshold value, the camera will recognize as High light or not
2. WHITE BALANCE	AWB MODE	ATW	Color temperature 2500 ~ 9500°K
		MANUAL	Adjust the Red or Blue values to shift the color of the object
		AWC ↓	Move the camera lens toward to white paper then press the set button to find the optimal white balance for current environment
3. DAY&NIGHT	D&N MODE	AUTO	Auto day&night switching mode
		COLOR	Fixed at color
		B&W	Fixed at B/W
	BURST	OFF, ON	Determines whether to transmit the burst signal or not in B/W mode
	COLOR → B&W	85 ~ 170	You can select brightness of illumination about changing the day ↔ night mode
	B&W → COLOR	50 ~ 135	
	DELAY TIME	3 ~ 15	You can select the duration time about chaining the day ↔ night mode
4. IMAGE ADJUST	MIRROR	OFF, ON	Set a horizontal image inversion
	SHARPNESS	0 ~ 50	Sharpness adjustable
	GAMMA	0.45, 0.6, 1, USER	Gamma adjustable
	LSC	OFF, ON	Determines whether to use the brightness compensation of four lens' corners(LSC) or not
	LSC LEVEL	0 ~ 50	The LSC level selectable
	R−Y GAIN	0 ~ 200	Adjust Red tone of the image
	B−Y GAIN	0 ~ 200	Adjust Blue tone of the image
	PATTERN GENERATOR ↓		Test signal. Press the set button, color bar appeared on the screen and press any key to return to menu
5. MOTION	MOTION	OFF, ON	Determines whether to use the motion detection function or not
	DISPLAY	NONE	No display on the screen though movement is detected
		MESSAGE	The words 'MOTION' appear on the screen when movement is detected
		MASK	Motion detection area appear on the screen when movement is detected
	SET WINDOW ↓		Press the set button to move into the motion detection area section to set the 64 areas. Press the set button for a few second to move out
	ALL SET ↓		Press the set button to select all area
	ALL CLEAR ↓		Press the set button to remove all area
	SENSITIVITY	0 ~ 255	Motion detection sensitivity
	HOLD TIME	1 ~ 15	Set the duration of outside alarm. If the way of display is message, it means display time of message
6. PRIVACY MASK	MASK 1, 2, 3, 4	OFF, ON ↓	Display each privacy mask or not. Press the set button to move into the privacy mask setting section, whenever you press the set button, the mask color is changed. When the mask color is red you can adjust the size by up, down, left and right button. When the mask color is blue you can set the position of mask by up, down, left and right button. Press the set button for a few second to escape
	MASK COLOR	BLACK, GRAY, ...	Select mask color
7. SPECIAL	LANGUAGE	ENGLISH, ...	Select language
	NAME DISPLAY	OFF, ON	Display the camera ID on the screen
	EDIT ↓		Press the set button to move into the name setting section. You can choose the letter by using up and down button and move next letter by using left and right button. Press the set button for a few second to move out
	POSITION ↓		Press the set button to move into the position setting section. You can move the camera ID to your wanted position by using up, down, left and right button
8. FACTORY SET			To reset your camera to factory default condition Notice : Language is not changed
9. EXIT			Save the value and then restart

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